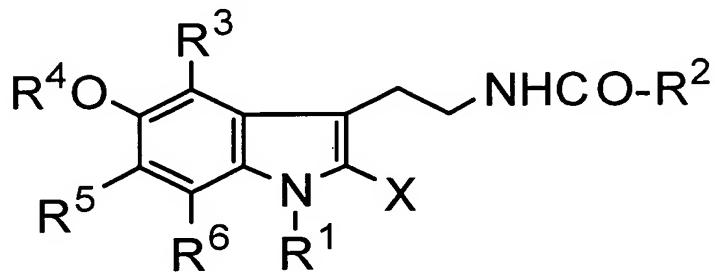


## CLAIMS

(1) A therapeutic agent for osteoporosis comprising a compound represented by formula (I) or a pharmaceutically acceptable salt thereof:

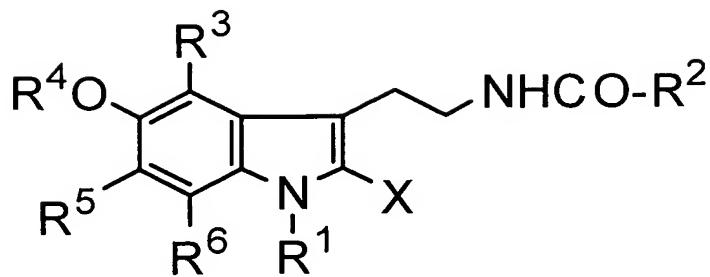


wherein X represents a halogen atom; R<sup>1</sup> represents a hydrogen atom, substituted or unsubstituted C<sub>1-6</sub> alkyl, substituted or unsubstituted C<sub>2-6</sub> alkenyl, substituted or unsubstituted C<sub>2-6</sub> alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted C<sub>1-6</sub> alkylsulfonyl, or hydroxyl; R<sup>2</sup> represents substituted or unsubstituted C<sub>1-21</sub> alkyl; R<sup>3</sup>, R<sup>5</sup>, and R<sup>6</sup>, which may be the same or different, each represent a hydrogen atom or a halogen atom; and R<sup>4</sup> represents a hydrogen atom or substituted or unsubstituted C<sub>1-6</sub> alkyl.

(2) An osteoblast activator comprising the compound represented by formula (I) defined in claim 1 or a salt thereof.

(3) An osteoclast suppressor comprising the compound represented by formula (I) defined in claim 1 or a salt thereof.

(4) A compound represented by formula (I') or a salt thereof:



wherein X represents a halogen atom or a hydrogen atom; R<sup>1</sup> represents a hydrogen atom, substituted or unsubstituted C<sub>1-6</sub> alkyl, substituted or unsubstituted C<sub>2-6</sub> alkenyl, substituted or unsubstituted C<sub>2-6</sub> alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted C<sub>1-6</sub> alkylsulfonyl, or hydroxyl; R<sup>2</sup> represents substituted or unsubstituted C<sub>1-21</sub> alkyl; and R<sup>3</sup>, R<sup>5</sup> and R<sup>6</sup>, which may be the same or different, each represent a hydrogen atom or a halogen atom, provided that, when X represents a hydrogen atom, at least one of R<sup>3</sup>, R<sup>5</sup> and R<sup>6</sup> represents a chlorine atom; and R<sup>4</sup> represents a hydrogen atom or substituted or unsubstituted C<sub>1-6</sub> alkyl (excluding the compound represented by formula (I') wherein X represents a bromine atom; R<sup>1</sup> represents a hydrogen atom; R<sup>2</sup> represents methyl; R<sup>3</sup>, R<sup>5</sup> and R<sup>6</sup> each represent a hydrogen atom; and R<sup>4</sup> represents methyl; the compound represented by formula (I') wherein X and R<sup>5</sup> each represent a bromine atom; R<sup>1</sup> represents a hydrogen atom; R<sup>2</sup> represents methyl; R<sup>3</sup> and R<sup>6</sup> each represent a hydrogen atom; and R<sup>4</sup> represents methyl; the compound represented by formula (I') wherein X and R<sup>3</sup> each represent a bromine atom; R<sup>1</sup> represents a hydrogen atom; R<sup>2</sup> represents methyl; R<sup>5</sup> and R<sup>6</sup> each represent a hydrogen atom; and R<sup>4</sup> represents methyl; and the compound represented by formula (I') wherein X, R<sup>3</sup>, and R<sup>5</sup> each represent a bromine atom; R<sup>1</sup> represents a hydrogen atom; R<sup>2</sup> represents methyl; R<sup>6</sup> represents a hydrogen atom; and R<sup>4</sup> represents methyl).

(5) The compound represented by formula (I') according to claim 4 or a salt thereof, wherein X represents a bromine atom; R<sup>1</sup> represents substituted or unsubstituted

$C_{1-6}$  alkyl, substituted or unsubstituted  $C_{2-6}$  alkenyl, substituted or unsubstituted  $C_{2-6}$  alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, or substituted or unsubstituted  $C_{1-6}$  alkylsulfonyl;  $R^2$  represents methyl;  $R^3$ ,  $R^5$  and  $R^6$ , which may be the same or different, each represent a hydrogen atom or a bromine atom; and  $R^4$  represents methyl.

(6) A pharmaceutical composition comprising, as an active ingredient, the compound according to claim 4 or 5 or a pharmaceutically acceptable salt thereof.